

Appl. No. 10/687,082
Amdt. Dated May 19, 2005
Reply to Notice of Allowance of February 22, 2005
Attorney Docket No. 6870-154

Amendments to the Specification:

Please replace paragraph [0006] with the following amended paragraph:

[0006] The present invention may include the following components, but is not necessarily limited to, a housing containing at least one single stage rotary speed converter having a conjugate pair of cam parts and a reaction disk between the conjugate pair of cam parts. The conjugate pair of cam parts include an inner cam with a shaft and an outer cam. The reaction disk includes a shaft and slots with contact members selectively disposed within the slots. The contact members may include rollers, bearings, and/or roller devices. In this invention, bearing(s) are being used in their generic sense, that is, indicating a rolling motion device or component, such as a roller bearing, ball, etc., and these terms will be used interchangeably through the specification and claims. Alternative embodiments of the invention may include a lesser or greater amount of components and the reaction disk may include other contact member retention features other than slots to perform the same function. The reaction disk is capable of operably coupling the conjugate pair of cam parts. Further, the present invention includes a grounding member operably connected to, for example, the outer cam capable of selectively grounding, for example, the outer cam to, for

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example, the housing, thereby selecting a speed ratio.
However, any of the rotatable components of the rotary speed converter can be grounded for the same desired multi-speed ratio results. Likewise, the grounding element can be any stationary structure that performs the same function of the housing in the rotatable component grounding operation.

Please replace paragraph [0012] with the following amended paragraph:

[0012] Fig. 1B is a schematic view of the prior art of ~~[[an]]~~
a front wheel drive train;

Please replace paragraph [0025] with the following amended paragraph:

[0025] Fig. 6 is ~~[[a pictorial]]~~ an exploded view of a single stage speed converter of the prior art utilized with the present invention;

Please replace paragraph [0067] with the following amended paragraph:

[0067] The grounding (for example, clutching or braking) of the various elements for each ratio stage is dependent on the design of that specific single stage speed converter 28 (FIG. 6). For certain ratios, the only grounding required is for one of the three single stage speed converter 28 primary elements illustrated in FIG. 6 (inner cam 30, reaction disk 32, or outer cam 33). For other ratios, it may be necessary

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to ground or couple two of the three primary elements of that ratio stage. The determination regarding which elements require grounding, is based on the specific single stage speed converter 28 design and if that single stage speed converter 28 has the ability to be back driven (output as input and input as output). The single stage speed converter 28 that is non-back drivable behaves as a 1:1 coupling when none of the elements are being grounded. Ratios that are considered back drivable behave as a 1:1 coupling when two of the elements are grounded or coupled to each other. In the embodiment of FIG. 5A, the 1st stage 50 and 2nd stage 52 require two clutches each and the 3rd stage 56 and 4th stage 58 require only one clutch each.